

FIG. 1

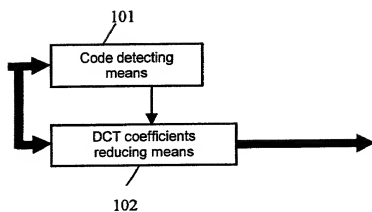
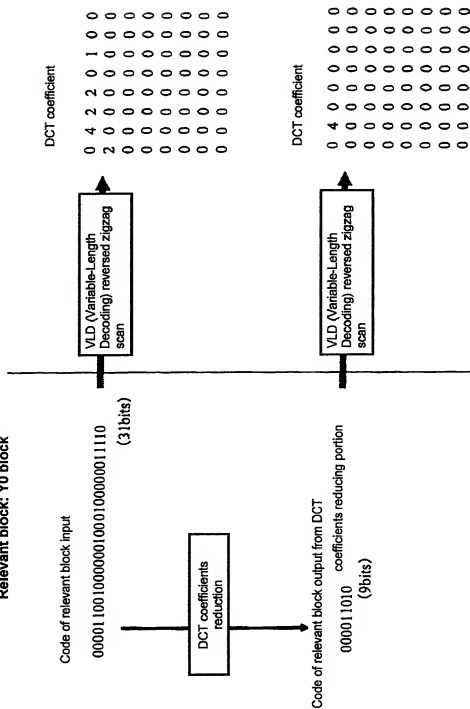


FIG. 2

Picture type: P-picture  
 Macro block type: MC, Coded  
 Relevant block: Y0 block





**FIG. 4**

Picture type: P-picture  
Macro block type: Intra  
Relevant block: Y0 block  
DC predicted value of DCT  
coefficient: 3

Code of relevant block layer input

00000011001000000100010000001110 (33bits)

T coefficients

Code of relevant block layer output from DCT coefficients reducing portion (4bits)

VLD (Variable-Length  
Decoding) zinzan scanVLD (Variable-Length  
Decoding) zigzag scan

An actual DC coefficient  
is 3 (prediction value) + 1  
(decoded value) = 4

DCT coefficient

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0

DCT coefficient



FIG. 6

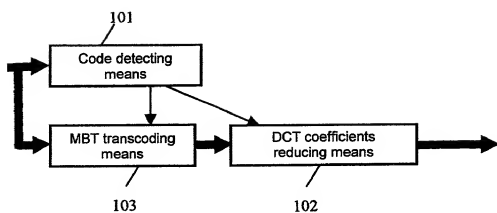


FIG. 7

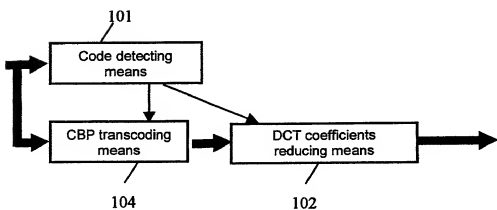


FIG. 8

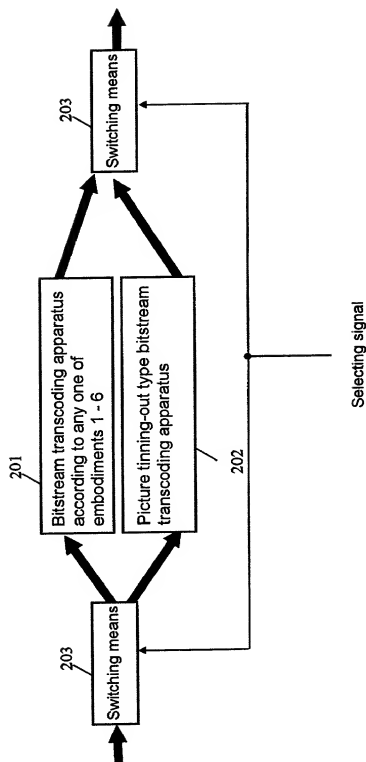


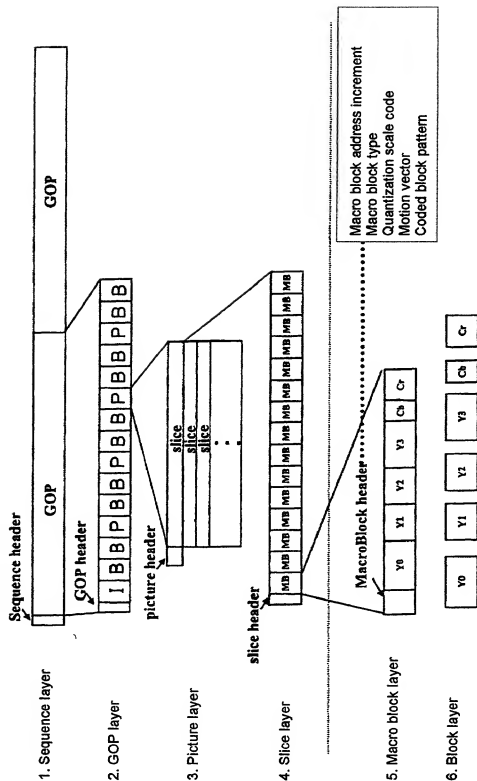
FIG. 9

Level 0	Outputs an input bitstream as is
Level 1	leaving as a component only one DCT coefficient encountered first in scanning of Inter MB in B-picture
Level 2	Replaces B-picture with such a B-picture that has zero inter-frame difference information
Level 3	Replaces all B-pictures with such a B-picture that has zero inter-frame difference information and leaves as component only one DCT coefficient encountered first in scanning of Inter MB in P-picture
Level 4	Replaces all B-pictures with such a B-picture that has zero inter-frame difference information and replaces P-picture with such a P-picture that has zero inter-frame difference information
Level 5	Replaces all B-pictures with such a B-picture that has zero inter-frame difference information, replaces all P-pictures with such a P-picture that has zero inter-frame difference information, and replaces I-picture with such an I-picture that has zero inter-frame difference information at a predetermined rate



FIG. 10

## Layer structure in bitstream



**FIG. 11**

**Macro block type (P-picture)**

1. MC, Coded
2. No MC, Coded
3. MC, Not Coded
4. Intra
5. MC, Coded, Quant
6. No MC, Coded, Quant
7. Intra, Quant

**FIG. 12**

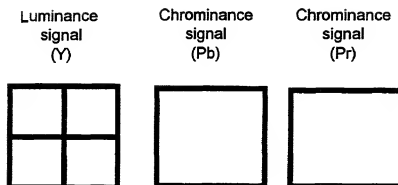


FIG. 13A

Zigzag scan

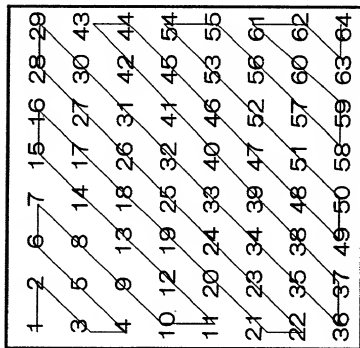


FIG. 13B

Alternate scan

